| Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|
| | | |

SBRNO-317/14-15
29:28-2-15

**M.A.R. 57 (Rule 116)**

Measurement Book

No. A/10 194040

Serial No..... BRNO - 476/28-2-15

Name of work..... From..... To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

| Date 1 | Full description, etc, of work 2 | Dimensions | | | | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | | Number 3 | Length 4 | Breadth 5 | Depth 6 | | |
| | Name of work: Construction of Culverts and Repairs, Reconstructions of Secondary Nala in ward No 4<br>Work Code No:- 011-15-000008 Estimated Cost:- Rs-15=00 Lakhs<br>Work order No:- EE/BSP/BBMP/E-Pmt/984/14-15 Date:- 7-1-2015<br>Name of Agency:<br>Sri Mohan kumar.V<br>No 530,<br>Kuvempunagara 2nd stage<br>B-Block. | | | | | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Recorded on 8/1/18 | | | | | | |
| | 1) Earth work excavation by manual means in Hard soil involving an average horizontal throw upto 2mts and an average lift upto 0.5m, excavated surface levelled & sides neatly dressed the disposed earth to be levelled neatly after breaking & clods etc. Complete as per Specifications. | | | | | | |
| | Culverts | | | | | | |
| | Hosa balli Nagasa Near Marathi | 1 | 7.10 | 2.00 | 1.20 | = 17.04 | |
| | | 1 | 6.60 | 2.00 | 1.20 | = 15.84 | |
| | | 1 | 6.60 | 2.00 | 1.20 | = 15.84 | |
| | | 1 | 5.00 | 2.00 | 1.20 | = 12.00 | |
| | | 1 | 5.00 | 1.80 | 1.20 | = 10.80 | |
| | Desilting of SSM Drain | 1 | 30.00 | 0.60 | 0.60 | = 10.80 | |

Serial No.....

Name of work.....

Name of Contractor of nature of Agency

Date of commencement of work.....

| Date | Full description, etc, of work |
|---|---|
| 1 | 2 |
| | For CC Road Earth Work at KUP Govt School Desilting of BS slab drain |

OK

| | Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|
| Means in Hard soil involving | | | |
| Earth and an average lift | | | |
| ded & sides neatly dressed | | | |
| eatly after breaking & clody | | | |
| | | | |
| | | x1.20 = 17.04 | |
| | | 0 x1.20 = 15.84 | |
| | | 0 x 1.20 = 15.84 | |
| | | 00 x 1.20 = 12.00 | |
| | | 6 x 1.20 = 10.80 | |
| | | 0 x 0.60 = 10.80 | |

# M.A.R. 57 (Rule 116)

Measurement Book

No. A/10 194041

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

| Date 1 | Full description, etc, of work 2 | Dimensions | | | | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | | Number 3 | Length 4 | Breadth 5 | Depth 6 | | |
| | For CC Road Earth Work at KVP Govt. School Destroying of B.S. slab Work | 1 | x 30.00 | x 0.60 | x 0.60 = | 10.80 | |
| | | 1 | x 18.50 | x 0.60 | x 0.60 = | 6.66 | |
| | | 1 | x 40.00 | x 2.00 | x 0.15 = | 12.00 | |
| | | 1 | x 30.00 | x 0.45 | x 0.40 = | 5.40 | |
| | | 1 | x 30.00 | x 0.45 | x 0.40 = | 5.40 | |
| | | 1 | x 30.00 | x 0.45 | x 0.45 = | 6.08 | |
| | | 1 | x 30.00 | x 0.45 | x 0.35 = | 4.73 | |
| | | 1 | x 30.00 | x 0.45 | x 0.40 = | 5.40 | |
| | | 1 | x 30.00 | x 0.45 | x 0.30 = | 4.05 | |

| Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|
| 0.80 = | 10.56 | |
| 0.80 = | 10.56 | |
| 0.80 = | 8.00 | |
| 0.46 = | 27.60 | |
| 0.46 = | 27.60 | |
| 0.46 = | 27.60 | |
| 0.60 = | 1.47 | |
| 0.60 = | 2.19 | |
| 0.60 = | 1.47 | |
| 0.90 = | 9.00 | |
| 0.60 = | 36.00 | |

## M.A.R. 57 (Rule 116)

Measurement Book

No. A/10 194045

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

| Date 1 | Full description, etc, of work 2 | Dimensions | | | | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | | Number 3 | Length 4 | Breadth 5 | Depth 6 | | |
| | | 2 x | 30.00 x | — x | 0.60 = | 36.00 | |
| | | 2 x | 18.80 x | — x | 0.60 = | 22.20 | |
| | | | | | Total Qty | 222.81 m2 | |
| | | | | | Deduct | 211.20 m2 | |
| | | | | | @ Rs 90.00 | Rs. 19008.00 | |

5) providing & laying in position plain cement Concrete of M/s 1:2:4 with Cement ~~Mortar~~ @ 240 kgs with 12mm & down size graded granite metal Coarse aggregates @ 0.878 Cum & fine aggregate

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Ø 0.459 Cum Machine mixed, Concrete laid in layers not exceeding 15cms thick well compacted to Foundation, plinth & cills, including cost of all materials, labour, Hire of machinery, Curing etc complete as per specifications. | | | | | | |
| | Hosabalu Nagar Near Mardhi | | | | | | |
| | | | 2 x 7.10 | x 1.80 | x 0.10 = | 2.56 | |
| | | | 2 x 6.60 | x 1.80 | x 0.10 = | 2.38 | |
| | | | 2 x 6.60 | x 1.80 | x 0.10 = | 2.38 | |
| | | | 2 x 5.00 | x 1.80 | x 0.10 = | 1.80 | |
| | S.S M Drain Reconstruction of Kanathi layout | | 2 x 30.00 | x 0.60 | x 0.10 = | 3.60 | |
| | | | 2 x 30.00 | x 0.60 | x 0.10 = | 3.60 | |

Serial No.....

Name of work.....

Name of Contractor of nature of Agency

Date of commencement of work.....

| Date | Full description, etc, of work |
|---|---|
| 1 | 2 |
| | Toilet Block |
| | Velu House |

| Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|
| e laid in layers not exceedg | | |
| dation, plinth & cills, including | | |
| g machinry, Curing etc | | |
| | | |
| | | |
| x 0.10 = | 2.56 | |
| x 0.10 = | 2.38 | |
| x 0.10 = | 2.38 | |
| x 0.10 = | 1.80 | |
| | | |
| 0.10 = | 3.60 | |
| 0.10 = | 3.60 | |

# M.A.R. 57 (Rule 116)

Measurement Book

No. A/10 194046

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

| Date 1 | Full description, etc, of work 2 | Dimensions | | | | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | | Number 3 | Length 4 | Breadth 5 | Depth 6 | | |
| | Toilet Block | 2 | 30.00 | 0.60 | 0.10 | 3.60 | |
| | | 1 | 2.45 | 0.60 | 0.10 | 0.15 | |
| | | 1 | 3.65 | 0.60 | 0.10 | 0.22 | |
| | | 1 | 2.45 | 0.60 | 0.10 | 0.15 | |
| | Velu House | 2 | 5.00 | 0.60 | 0.10 | 0.60 | |
| | | 2 | 30.00 | 0.60 | 0.10 | 3.60 | |
| | | 2 | 30.00 | 0.60 | 0.10 | 3.60 | |
| | | 2 | 18.50 | 0.60 | 0.10 | 2.22 | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Road Concrete at KUP 2nd Stage Govt. School | 1 | 40.00 | 2.00 | 0.10 | = 8.00 | |
| | | | | total Qty | | 38.44 cum | |
| | | | | Limited To | | 37.62 m3 | 28/2/2015 |
| | | | | Rs, 5300.00 | | Rs, 199386.00 | |
| | 6) providing & laying in position reinforced cement concrete of design mix M20 with OPC cement @320 kgs with 20mm & down size graded granite metal coarse aggregates @ 0.878 cum & fine aggregates @ 0.459 cum with Superplasticiser @3 lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, Concrete laid in layers not exceeding 15cms thick, Vibrated for all works in Foundation plinth & ground floor level for roof slabs, Staircase lintels, retaining walls, walls (any thickness) including | | | | | | |

Serial No.....

Name of work.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

| Date | Full description, etc, of work | Num |
|---|---|---|
| 1 | 2 | 3 |
| | attached plasters, C Struts, buttresses, Sh Sed blocks, Anchor blo including cost & all curing etc complete Culvert Covering Slabs Hosabalu Nagara Near Marsidli | |

| Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|
| 0.10 x 8.00 | | |
| Qty | 38.44 cum | |
| d To | 37.62 m3 | 28/2/2015 |
| 00.00 | Rs, 199386.00 | |

reed cement Concrete of
320 kgs with aggregate
se aggregates of 0.878 cum
per plasticizer of 3 lts confirm
machine mixed, Concrete
ck, Vibrated for all works
el For roof slabs. Staircase
thickness including

# M.A.R. 57 (Rule 116)

Measurement Book No. A/10 194047

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

| Date 1 | Full description, etc, of work 2 | Dimensions | | | | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | | Number 3 | Length 4 | Breadth 5 | Depth 6 | | |
| | attached plasters, Columns, pirers, abutments, pillars, posts, struts, buttresses, string or facing courses, parapets, Coping Seal blocks, Anchor blocks, plain window cills, Fillets etc. including Cost of all materials, labour, Hire of machinery curing etc complete as per Specifications. | | | | | | |
| | Culvert Covering Slabs Hosabalu Nagara Near Masidli | | | | | | |
| | | 1 | x 7.10 | x 1.80 | x 0.23 = 2.94 | | |
| | | 1 | x 6.60 | x 1.80 | x 0.23 = 2.73 | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | covering Slab over existing Drain at Kaveri layout | 1 | 6.60 | 1.80 | 0.23 | 2.73 | |
| | | 1 | 5.00 | 1.80 | 0.23 | 2.07 | |
| | | 1 | 30.00 | 0.90 | 0.10 | 2.70 | |
| | | 1 | 30.00 | 0.90 | 0.10 | 2.70 | |
| | | 1 | 28.20 | 0.90 | 0.10 | 2.54 | |
| | | 1 | 30.00 | 0.90 | 0.10 | 2.70 | |
| | | 1 | 30.00 | 0.90 | 0.10 | 2.70 | |
| | | 1 | 30.00 | 0.90 | 0.10 | 2.70 | |
| | | 1 | 8.20 | 0.90 | 0.10 | 0.74 | |
| | | 1 | 1.80 | 1.80 | 0.23 | 0.75 | |
| | | | | | Total Qty | 28.00 M³ | |
| | | | | | | 27.32 M³ | |

C&C to Executive Engineer Vidyaranyapura Sub Division Yelahanka (N), Bangalore - 560 092

C&C to Assistant Executive Engineer Vidyaranyapura Sub Division BBMP, Bangalore - 560 097

Serial No.....

Name of work.....

Name of Contractor of nature of Agency...

Date of commencement of work.....

| Date | Full description, etc, of work | |
|---|---|---|
| 1 | 2 | |
| | 7) providing mild st straightening, Cu lapping for weldi wire & anchoring to complete as per des etc Complete as p | |

K

| Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|
| × 0.23 = | 2.77 | |
| × 0.23 = | 2.07 | |
| × 0.10 = | 2.70 | |
| × 0.10 = | 2.70 | |
| × 0.10 = | 2.54 | |
| × 0.10 = | 2.70 | |
| × 0.10 = | 2.70 | |
| × 0.10 = | 2.70 | |
| × 0.10 = | 2.70 | |
| × 0.10 = | 0.74 | |
| × 0.23 = | 0.76 | |
| | 28.00 M | |
| | 27.32 M3 | |

Executive Engineer
Vyalarayanapura Division
Yelahanka
Bangalore - 560 092

# M.A.R. 57 (Rule 116)

Measurement Book No. A/10 194048

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

| Date 1 | Full description, etc, of work 2 | Dimensions | | | | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | | Number 3 | Length 4 | Breadth 5 | Depth 6 | | |
| | | | J Tg | 6100.00 | | Tg, | 166652-00 |
| 7) | providing mild steel reinforcement for RCC work including straightening, cutting, bending, hoolcing, placing in position lapping for welding wherever required, tying with binding wire & anchoring to the Adjoining members wherever necessary complete as per design cost & materials, labour, Hoisting Machinery etc Complete as per Specifications. | | | | | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | premeasurement Qty vide page no. 194098 | | | | | | |
| | Total Qty | | | | | 24.86 Cum | |
| | Limited To | | | | | 24.59 Cum | |
| | Rf 7900x00 | | | | | Rs. 194261=00 | |
| 8) | providing & Removing centering, shuttering, Strutting propping etc. & Removal & form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses plinth & string courses Cost of all materials labours etc. Complete as per specifications. | | | | | | |
| | premeasurement Qty vide page no. 194099 | | | | | | |

Serial No.....

Name of work.....

Name of Contractor of nature of Agency...

Date of commencement of work.....

| Date | Full description, etc, of work | N |
|---|---|---|
| 1 | 2 | |
| 9) | Lead for Disposa... rates by Mechani... From 0.00 To 2.00... Qty Vid... | |

| Depth 6 | Contents 7 | Reference to last Measurement 8 |
|---|---|---|
| | page No. 194098 | |
| | 24.86 Qtl | |
| | 24.59 Qtl | |
| 00 | Rs. 194261=00 | |
| tering Shuttering propping | | |
| cal Surface Such as walls | | |
| d pilasters, buttresses | | |
| materials labours etc. | | |
| | page No. 194099 | |

## M.A.R. 57 (Rule 116)

Measurement Book

No. A/10 194049

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

| Date 1 | Full description, etc, of work 2 | Dimensions | | | | Contents 7 | Reference to last Measurement 8 |
|---|---|---|---|---|---|---|---|
| | | Number 3 | Length 4 | Breadth 5 | Depth 6 | | |
| | | | Total Qty | | | 82.28 M² | |
| | | | limited Qty | | | 79.90 M² | |
| | | | Rs 288.13 | | | Rs 23022=00 | |
| 9) | Lead for Disposal of rates by Mechanical means including loading & unloading From 0.00 to 2.00 kms etc. Qty Vide Item No 1 | | Debris shall be payble at Contract | | | | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | | Total Qty | | | 129.89 m³ | |
| | | | M 80.80 | | | Rs. 10430=00 | |
| | | | | | Total | Rs 1483953=00 | |
| | Third party QC charges 1% | | | | | Rs 14840=00 | |
| | | | | | Total | Rs. 1498799=00 | |
| | c/fe | | | | | | |
| | Invoice | | | | | | |
| | 28/2 | | | | | | |
| | | | | | | Say Rs 1498799/- | |

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

M

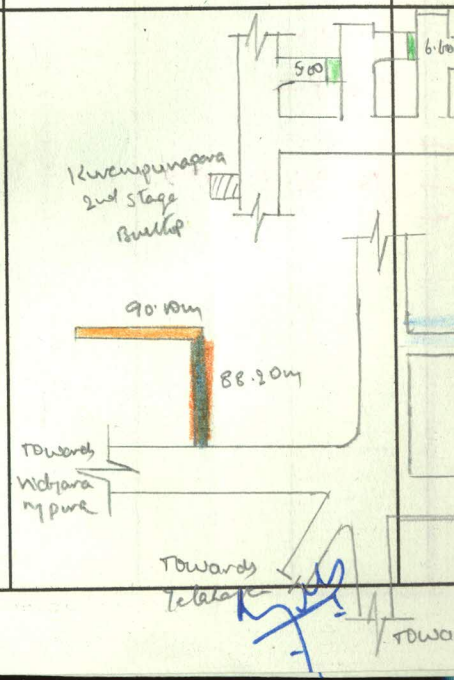
Serial No.....

Name of work.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

| Date | Full description, etc, of work | Nu |
|---|---|---|
| 1 | 2 | |



# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | 1,48,399.88 = 00 | | | IT - | 1,48,40- | | |
| | 1899.87 = | | | VAT - | 59358- | | |
| | | | | Ser - | 89037- | | |
| | 1,29,397.1 = 00 | | | Swt - | 1,484- | | |
| | | | | Cess - | 1484- | | |
| | | | | Roy - | 10,428- | | |
| | | | | | Total - | 189987 = 00 | |
| | | | | | 2/16 | | |

Serial No.....

Name of work.....

Name of Contractor of nature of Age

Date of commencement of work.....

| Date | Full description, etc, of work |
|---|---|
| 1 | 2 |